

Appln. No. 09/677,072  
Amdt. dated May 25, 2004  
Reply to Office Action dated February 25, 2004

### **Amendments to the Specification**

Please replace the paragraph on page 13, lines 5 to 16, with the following amended paragraph:

Notably, upon receiving the host identification number of the message router 215A, the message router 215B can establish an interprocess communications link with the message router 215A. Subsequently, the message router 215B can transmit a requestTopic message identifying the subscribed message topic to the message router 215A. The message router 215A can receive the requestTopic message and can determine which of its associated message adapters has registered on behalf of a data publisher the requested message topic in the message topic server 225. Subsequently, the message router 215A can transmit data messages consonant with the requested message topic over the interprocess communications link to the message router 215B. The message router 215B, in turn, can forward the data messages received from the message router 215A to the originally subscribing data consumer through the message adaptor 210B.

Please replace the paragraph on page 13, lines 17 to 26, with the following amended paragraph:

As shown in Figure 2 and subsequent figures, the various messages transmitted between the network components are numbered so as to indicate some order as to the transmission of the messages. Notwithstanding, one skilled in the art will recognize that the numbering of the messages does not limit the implementation of each process to

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the precise ordering shown. Rather, in many cases, messages can be transmitted in a different order without affecting the result of the process. Moreover, as in the case of typical distributed systems, messages can be transmitted concurrently with the transmission of other messages. For example, the message adapter 210B just as well could subscribe to a topic prior to, or concurrently with, the message adapter 210A registering the same topic.

Please replace the paragraph on page 20, lines 9 to 17, with the following amended paragraph:

The recovery and re-synchronization processes illustrated in Figures 4-6 can be facilitated by the architecture of the distributed system of the present invention. An exemplary architecture suitable for use in the present invention is shown in Figure 7. Specifically, Figure 7 is a UML diagram illustrating the structure of an application 705 and corresponding message adapter 710 residing in a computing device 700. As shown in the figure, the application 705 can publish or consume[[r]] data in the form of content. The content itself can include adapter messages, router messages and server messages and can be encapsulated in a message payload 735. Moreover, the content can be accessed through exposed methods.

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